

Abstract:

--A bushing (52) has two bushing parts (52, 58), each of which includes a tubular section (54, 60) and a radial flange section (56, 62). Tubular section (54) is inserted into an opening (38) in a work member (40), from one side of the work member (40). Tubular section (60) is inserted into tubular section (54) from the opposite side (44) of the work member (40). A mandrel (M) is moved through the interior of the tubular portion of the bushing to radially and circumferentially expand the tubular portion of the bushing and move the flange sections against the opposite sidewalls of the work member (40). The tubular portions (54, 60) of the bushing (52) is radially and circumferentially expanded an amount sufficient to introduce fatigue life enhancing compressive residual stresses in the work member (40) immediately around the opening (38) in the work member (40).--

REMARKS

The subject application is a divisional application of U.S. Serial No. 09/603,857, filed June 26, 2000, and entitled Double Flanged Bushings and Installation Methods.

A restriction requirement was made in U.S. Serial No. 09/603,857. In response to that requirement, applicants elected apparatus claims relating to the embodiment shown by Fig. 13 of that application. This divisional application presents the corresponding method claims for installing the embodiment shown by Fig. 13.

It is submitted that claims 12-14 and 21 are allowable over